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Sequence Listing was accepted with existing errors.

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Reviewer: Anne Corrigan

Timestamp: Fri Jul 13 11:17:11 EDT 2007

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Application No: 10589321 Version No: 1.1

Input Set:

Output Set:

Started: 2007-07-13 11:16:44.715

Finished: 2007-07-13 11:16:45.122

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 407 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 6

Actual SeqID Count: 6

SEQUENCE LISTING

<110> The Walter and Eliza Hall Institute of Medical Research

<120> Modified cells and methods of using same

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<140> 10/589,321

<141> 2006-08-14

<150> AU 2004900673

<151> 2004-02-12

<160> 6

<170> PatentIn version 3.1

<210> 1

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2571

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<212> PRT

<213> murine

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Gly Ser Leu Leu Tyr Thr Ala Leu Asp Ser Tyr Ser Thr Val Gln Ala
35 40 45

Ala Pro Lys Ser Ser Ser Gly Ser Val Lys Phe Gln Gly Leu Ala Glu
50 55 60

Thr Gly Ile Met Lys Met Asp Met Glu Asp Ala Asp Met Thr Leu Trp
65 70 75 80

Thr Glu Ala Glu Phe Glu Glu Lys Cys Thr Tyr Ile Val Asn Asp His
85 90 95

Pro Trp Asp Ser Gly Ala Asp Gly Gly Thr Ser Val Gln Ala Glu Ala
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Ser Leu Pro Arg Asn Leu Leu Phe Lys Tyr Ala Ala Asn Asn Ser Lys
115 120 125

Glu Val Ile Gly Val Val Ser Lys Glu Tyr Ile Pro Lys Gly Thr Arg
130 135 140

Phe Gly Pro Leu Ile Gly Glu Val Tyr Thr Asn Asp Thr Val Pro Lys
145 150 155 160

Asn Ala Asn Arg Lys Tyr Phe Trp Arg Ile Tyr Ser Arg Glu Glu Phe
165 170 175

His His Phe Ile Asp Gly Phe Asn Glu Glu Lys Ser Asn Trp Met Arg
180 185 190

Tyr Val Asn Pro Ala His Ser Ala Arg Glu Gln Asn Leu Ala Ala Cys
195 200 205

Gln Asn Gly Met Asn Ile Tyr Phe Tyr Thr Ile Lys Pro Ile Pro Ala
210 215 220

Asn Gln Glu Leu Leu Val Trp Tyr Cys Arg Asp Phe Ala Glu Arg Leu
225 230 235 240

His Tyr Pro Tyr Pro Gly Glu Leu Thr Val Ile Asn Leu Thr Gln Thr
245 250 255

Glu Ser Asn Pro Lys Gln Tyr Ser Ser Glu Lys Asn Glu Leu Tyr Pro
260 265 270

Lys Ser Val Pro Lys Arg Glu Tyr Ser Val Lys Glu Ile Leu Lys Leu
275 280 285

Asp Ser Asn Pro Ser Lys Arg Lys Asp Ile Tyr Arg Ser Asn Ile Ser
290 295 300

Pro Phe Thr Leu Glu Lys Asp Met Asp Gly Phe Arg Lys Asn Gly Ser
305 310 315 320

Pro Asp Met Pro Phe Tyr Pro Arg Val Val Tyr Pro Ile Arg Ala Pro
325 330 335

Leu Pro Glu Asp Phe Leu Lys Ala Ser Leu Ala Tyr Gly Met Glu Arg
340 345 350

Pro Thr Tyr Ile Thr His Ser Pro Leu Pro Ser Ser Thr Thr Pro Ser
355 360 365

Pro Pro Ala Ser Ser Ser Pro Glu Gln Ser Leu Lys Ser Ser Ser Pro
370 375 380

His Ser Ser Pro Gly Asn Thr Val Ser Pro Leu Ala Pro Gly Leu Pro
385 390 395 400

Glu His Arg Asp Ser Tyr Ser Tyr Leu Asn Val Ser Tyr Gly Ser Glu
405 410 415

Gly	Leu	Gly	Ser	Tyr	Pro	Gly	Tyr	Ala	Pro	Ala	Pro	His	Leu	Pro	Pro	420	425	430
Ala	Phe	Ile	Pro	Ser	Tyr	Asn	Ala	His	Tyr	Pro	Lys	Phe	Leu	Leu	Pro	435	440	445
Pro	Tyr	Gly	Ile	Ser	Ser	Asn	Gly	Leu	Ser	Thr	Met	Asn	Asn	Ile	Asn	450	455	460
Gly	Ile	Asn	Asn	Phe	Ser	Leu	Phe	Pro	Arg	Leu	Tyr	Pro	Val	Tyr	Ser	465	470	475
Asn	Leu	Leu	Ser	Gly	Ser	Ser	Leu	Pro	His	Pro	Met	Leu	Asn	Pro	Ala	485	490	495
Ser	Leu	Pro	Ser	Ser	Leu	Pro	Thr	Asp	Gly	Ala	Arg	Arg	Leu	Leu	Pro	500	505	510
Pro	Glu	His	Pro	Lys	Glu	Val	Leu	Ile	Pro	Ala	Pro	His	Ser	Ala	Phe	515	520	525
Ser	Leu	Thr	Gly	Ala	Ala	Ala	Ser	Met	Lys	Asp	Glu	Ser	Ser	Pro	Pro	530	535	540
Ser	Gly	Ser	Pro	Thr	Ala	Gly	Thr	Ala	Ala	Thr	Ser	Glu	His	Val	Val	545	550	555
Gln	Pro	Lys	Ala	Thr	Ser	Ser	Val	Met	Ala	Ala	Pro	Ser	Thr	Asp	Gly	565	570	575
Ala	Met	Asn	Leu	Ile	Lys	Asn	Lys	Arg	Asn	Met	Thr	Gly	Tyr	Lys	Thr	580	585	590
Leu	Pro	Tyr	Pro	Leu	Lys	Lys	Gln	Asn	Gly	Lys	Ile	Lys	Tyr	Glu	Cys	595	600	605
Asn	Val	Cys	Ala	Lys	Thr	Phe	Gly	Gln	Leu	Ser	Asn	Leu	Lys	Val	His	610	615	620
Leu	Arg	Val	His	Ser	Gly	Glu	Arg	Pro	Phe	Lys	Cys	Gln	Thr	Cys	Asn	625	630	635
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Lys Gly Phe Thr Gln Leu Ala His Leu Gln Lys His Tyr Leu Val His
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Thr Gly Glu Lys Pro His Glu Cys Gln Val Cys His Lys Arg Phe Ser
660 665 670

Ser Thr Ser Asn Leu Lys Thr His Leu Arg Leu His Ser Gly Glu Lys
675 680 685

Pro Tyr Gln Cys Lys Val Cys Pro Ala Lys Phe Thr Gln Phe Val His
690 695 700

Leu Lys Leu His Lys Arg Leu His Thr Arg Glu Arg Pro His Lys Cys
705 710 715 720

Ala Gln Cys His Lys Ser Tyr Ile His Leu Cys Ser Leu Lys Val His
725 730 735

Leu Lys Gly Asn Cys Pro Ala Gly Pro Ala Ala Gly Leu Pro Leu Glu
740 745 750

Asp Leu Thr Arg Ile Asn Glu Glu Ile Glu Arg Phe Asp Ile Ser Asp
755 760 765

Asn Ala Asp Arg Leu Glu Asp Met Glu Asp Ser Val Asp Val Thr Ser
770 775 780

Met Val Glu Lys Glu Ile Leu Ala Val Val Arg Lys Glu Lys Glu Glu
785 790 795 800

Thr Ser Leu Lys Val Ser Leu Gln Arg Asn Met Gly Asn Gly Leu Leu
805 810 815

Ser Ser Gly Cys Ser Leu Tyr Glu Ser Ser Asp Leu Ser Leu Met Lys
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<212> DNA
<213> human

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 35 40 45

Arg Asn Leu Leu Phe Lys Tyr Ala Thr Asn Ser Glu Glu Val Ile Gly
 50 55 60

Val Met Ser Lys Glu Tyr Ile Pro Lys Gly Thr Arg Phe Gly Pro Leu
 65 70 75 80

Ile Gly Glu Ile Tyr Thr Asn Asp Thr Val Pro Lys Asn Ala Asn Arg	85	90	95
Lys Tyr Phe Trp Arg Ile Tyr Ser Arg Gly Glu Leu His His Phe Ile	100	105	110
Asp Gly Phe Asn Glu Glu Lys Ser Asn Trp Met Arg Tyr Val Asn Pro	115	120	125
Ala His Ser Pro Arg Glu Gln Asn Leu Ala Ala Cys Gln Asn Gly Met	130	135	140
Asn Ile Tyr Phe Tyr Thr Ile Lys Pro Ile Pro Ala Asn Gln Glu Leu	145	150	155
Leu Val Trp Tyr Cys Arg Asp Phe Ala Glu Arg Leu His Tyr Pro Tyr	165	170	175
Pro Gly Glu Leu Thr Met Met Asn Leu Thr Gln Thr Gln Ser Ser Leu	180	185	190
Lys Gln Pro Ser Thr Glu Lys Asn Glu Leu Cys Pro Lys Asn Val Pro	195	200	205
Lys Arg Glu Tyr Ser Val Lys Glu Ile Leu Lys Leu Asp Ser Asn Pro	210	215	220
Ser Lys Gly Lys Asp Leu Tyr Arg Ser Asn Ile Ser Pro Leu Thr Ser	225	230	235
Glu Lys Asp Leu Asp Asp Phe Arg Arg Arg Gly Ser Pro Glu Met Pro	245	250	255
Phe Tyr Pro Arg Val Val Tyr Pro Ile Arg Ala Pro Leu Pro Glu Asp	260	265	270
Phe Leu Lys Ala Ser Leu Ala Tyr Gly Ile Glu Arg Pro Thr Tyr Ile	275	280	285
Thr Arg Ser Pro Ile Pro Ser Ser Thr Thr Pro Ser Pro Ser Ala Arg	290	295	300

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305 310 315 320

Gly Asn Thr Val Ser Pro Val Gly Pro Gly Ser Gln Glu His Arg Asp
325 330 335

Ser Tyr Ala Tyr Leu Asn Ala Ser Tyr Gly Thr Glu Gly Leu Gly Ser
340 345 350

Tyr Pro Gly Tyr Ala Pro Leu Pro His Leu Pro Pro Ala Phe Ile Pro
355 360 365

Ser Tyr Asn Ala His Tyr Pro Lys Phe Leu Leu Pro Pro Tyr Gly Met
370 375 380

Asn Cys Asn Gly Leu Ser Ala Val Ser Ser Met Asn Gly Ile Asn Asn
385 390 395 400

Phe Gly Leu Phe Pro Arg Leu Cys Pro Val Tyr Ser Asn Leu Leu Gly
405 410 415

Gly Gly Ser Leu Pro His Pro